



Aeration Industries
International
a newterra company

Achieve Performance Requirements by Combining Surface Aeration with Diffused Aeration Systems



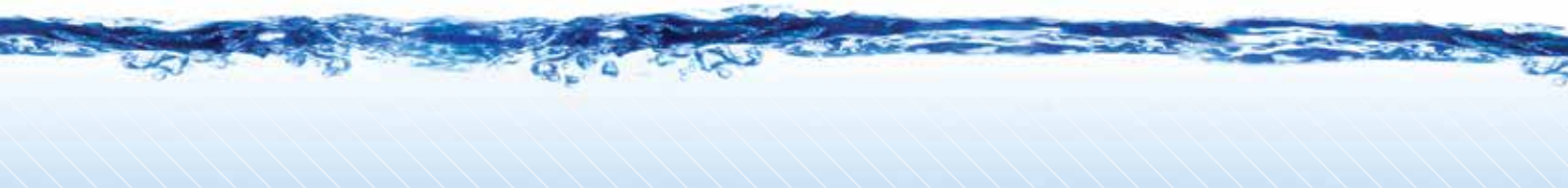
Aeration Industries International's Aire-O₂ Triton® can bring a struggling diffused aeration basin back up to optimal performance quickly by adding oxygen capacity and mixing.

BENEFITS OF COMBINING AIRE-O₂ TRITON AERATORS AND DIFFUSED AIR SYSTEMS

- Instant capacity (SOTR) increase without the need to interrupt production or drain the basin
- Increase aeration efficiency (SAE) with consistent aeration
- Keep solids in suspension with mixing-only option; when oxygen demand is low, Aire-O₂ Triton blowers can be turned off to save electricity. When demand is high, Tritons can be activated instantly
- Modular equipment allows for flexibility without making changes to infrastructure
- Aire-O₂ Triton offers consistent, reliable performance throughout the life of the aerator

BY ADDING AIRE-O₂ TRITONS, YOU CAN

- Eliminate need to shutdown/limit production
- No need to operate under low DO conditions



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Image displays the Aire-O₂ Triton in operation providing mixing and aeration, as well as increasing bubble retention time from the diffuser grids and providing improved mixing through the water columns.

BENEFITS OF MIXING OFFERED BY AIRE-O₂ TRITONS FOR A DIFFUSED AERATION SYSTEM

- Instant increase in oxygen supplied to the system
- Increase in diffuser oxygen transfer efficiency (SOTE)*
- Re-suspend and eliminate settled sludge
- Reduce scaling/biofilm buildup by providing horizontal flow over the membrane

*dependent on basin configuration